

information technology through market research (see Part 10) and the application of technology refreshment techniques.

(c) Agencies must follow OMB Circular A-127, Financial Management Systems, when acquiring financial management systems. Agencies may acquire only core financial management software certified by the Joint Financial Management Improvement Program.

(d) In acquiring information technology, agencies shall include the appropriate information technology security policies and requirements, including use of common security configurations available from the National Institute of Standards and Technology's Web site at <http://checklists.nist.gov>. Agency contracting officers should consult with the requiring official to ensure the appropriate standards are incorporated.

(e) When acquiring information technology using Internet Protocol, agencies must include the appropriate Internet Protocol compliance requirements in accordance with 11.002(g).

[61 FR 41470, Aug. 8, 1996, as amended at 64 FR 32748, June 17, 1999; 64 FR 72446, Dec. 27, 1999; 70 FR 57452, Sept. 30, 2005; 72 FR 73217, Dec. 26, 2007; 73 FR 10968, Feb. 28, 2008; 74 FR 65607, Dec. 10, 2009]

39.102 Management of risk.

(a) Prior to entering into a contract for information technology, an agency should analyze risks, benefits, and costs. (See part 7 for additional information regarding requirements definition.) Reasonable risk taking is appropriate as long as risks are controlled and mitigated. Contracting and program office officials are jointly responsible for assessing, monitoring and controlling risk when selecting projects for investment and during program implementation.

(b) Types of risk may include schedule risk, risk of technical obsolescence, cost risk, risk implicit in a particular contract type, technical feasibility, dependencies between a new project and other projects or systems, the number of simultaneous high risk projects to be monitored, funding availability, and program management risk.

(c) Appropriate techniques should be applied to manage and mitigate risk during the acquisition of information technology. Techniques include, but are not limited to: prudent project management; use of modular contracting; thorough acquisition planning tied to budget planning by the program, finance and contracting offices; continuous collection and evaluation of risk-based assessment data; prototyping prior to implementation; post implementation reviews to determine actual project cost, benefits and returns; and focusing on risks and returns using quantifiable measures.

39.103 Modular contracting.

(a) This section implements Section 5202, Incremental Acquisition of Information Technology, of the Clinger-Cohen Act of 1996 (Public Law 104-106). Modular contracting is intended to reduce program risk and to incentivize contractor performance while meeting the Governments need for timely access to rapidly changing technology. Consistent with the agency's information technology architecture, agencies should, to the maximum extent practicable, use modular contracting to acquire major systems (see 2.101) of information technology. Agencies may also use modular contracting to acquire non-major systems of information technology.

(b) When using modular contracting, an acquisition of a system of information technology may be divided into several smaller acquisition increments that—

(1) Are easier to manage individually than would be possible in one comprehensive acquisition;

(2) Address complex information technology objectives incrementally in order to enhance the likelihood of achieving workable systems or solutions for attainment of those objectives;

(3) Provide for delivery, implementation, and testing of workable systems or solutions in discrete increments, each of which comprises a system or solution that is not dependent on any subsequent increment in order to perform its principal functions;

(4) Provide an opportunity for subsequent increments to take advantage of